

# Lawrence Berkeley National Laboratory Seismic Safety and Modernization (SSM) Welcome Center Bill Beedle, Project Director



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BERKELEY LAB

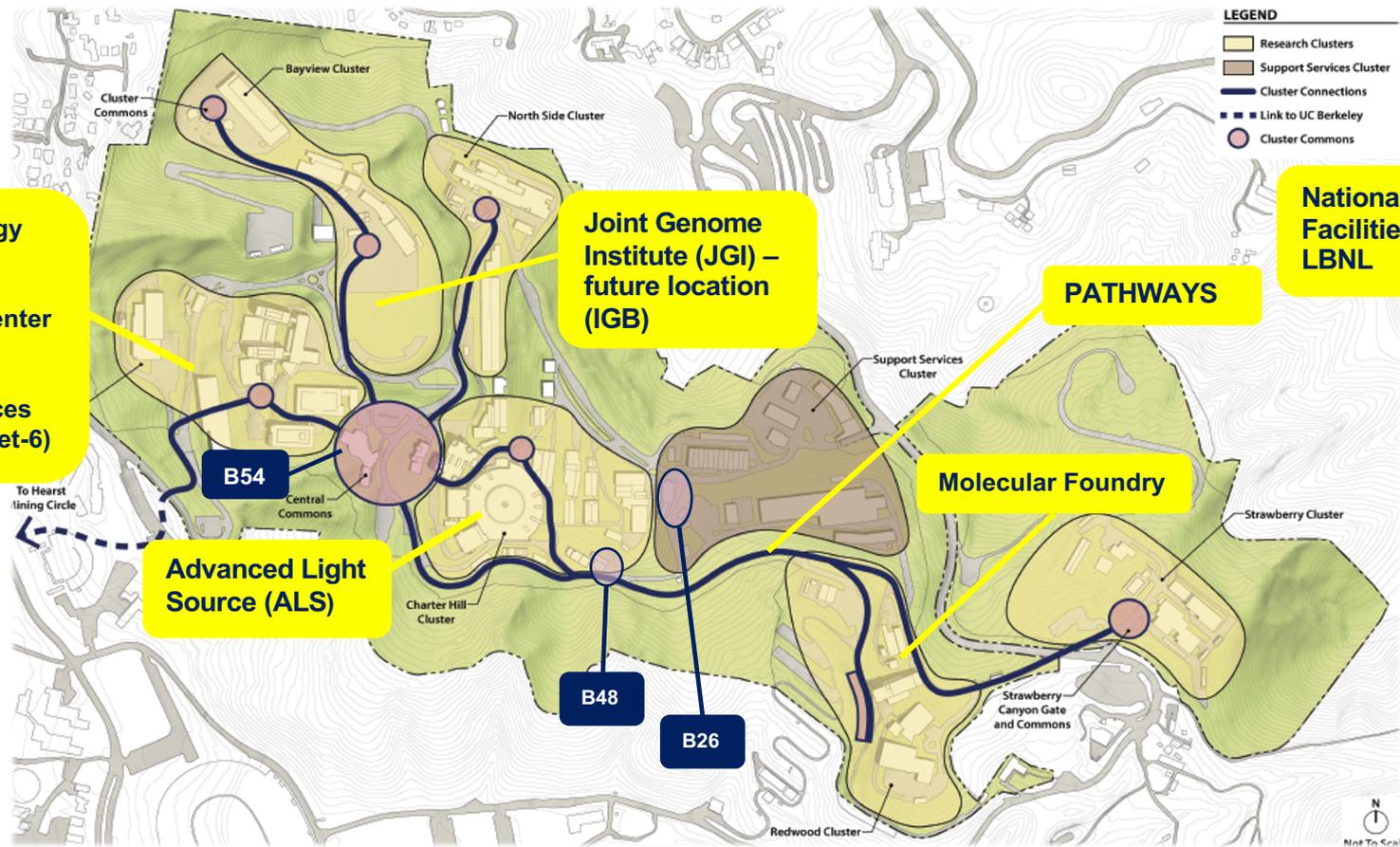
# SSM Welcome Center Goals



- Improve the safety of the occupants in seismically deficient buildings including the B54 Cafeteria, B26 Health Services & B48 Fire House
- Provide operational continuity in the event of an emergency
- Improve traffic and pedestrian circulation near cafeteria

# SSM Site Locations

- Detailed Seismic Study was performed, ranked existing facilities for seismic stability
- New facility at B54 site - population center of the Lab
- Seismic Upgrade of the exiting B48 firehouse



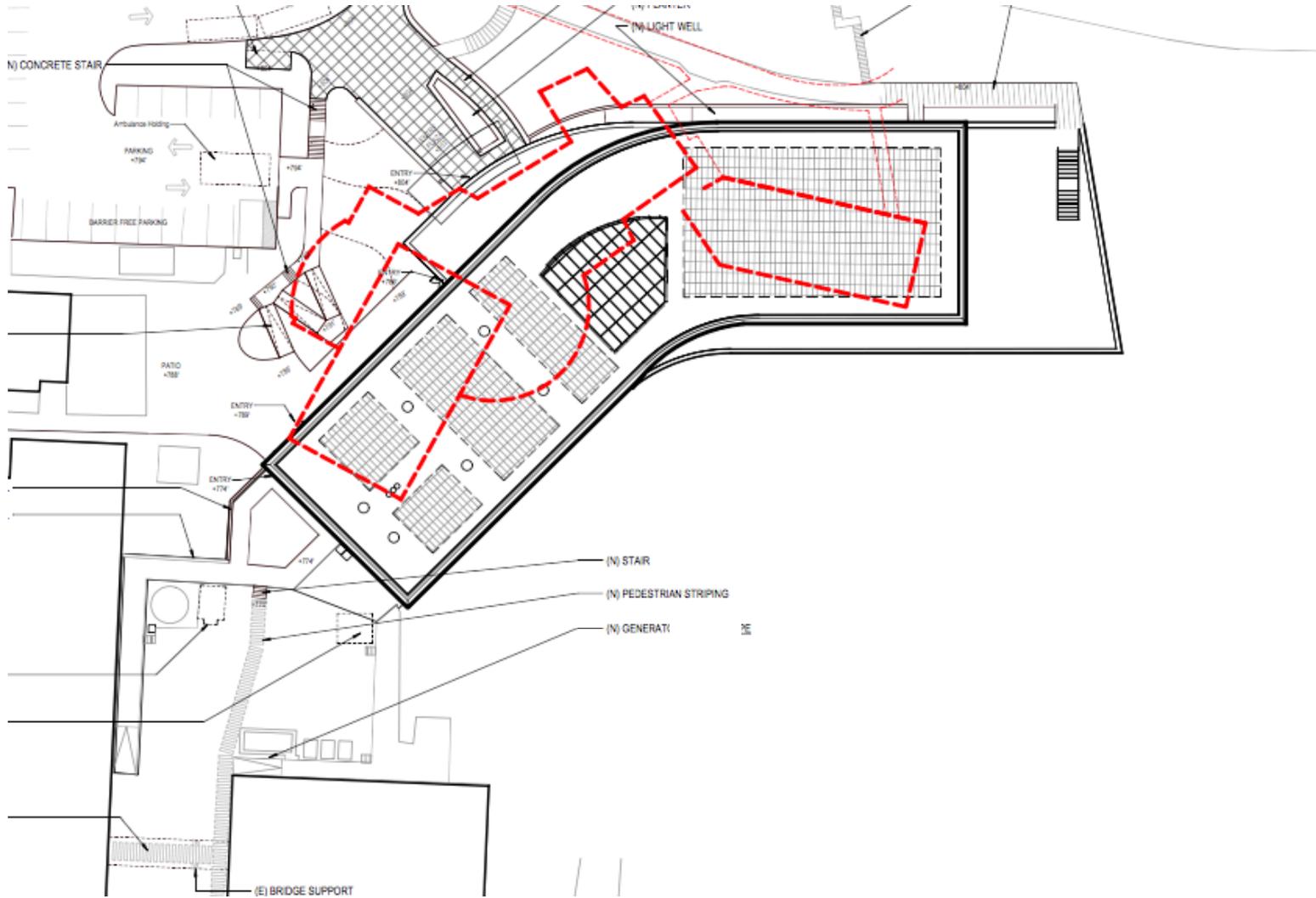
# SSM Welcome Center Vision

## Project Vision: Heart of Campus, One-Stop-Shop for Operational Needs, Space for Connection and Collaboration

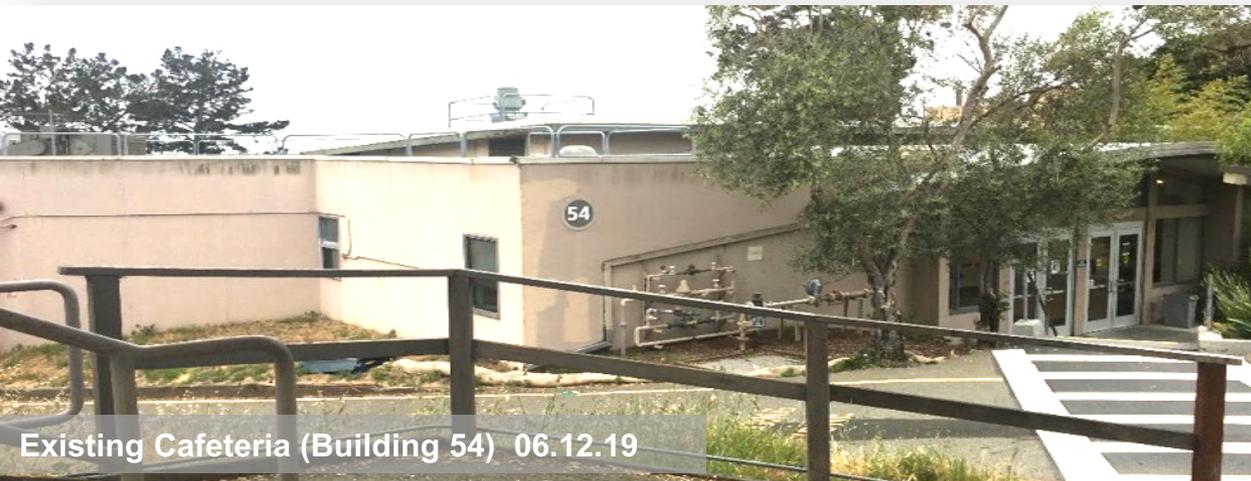


- Welcome Center for new employees and visitors
- Cafeteria
- Modern Health and Wellness Services
- Conference & Operational facilities

# SSM Site Plan



# SSM New and Existing



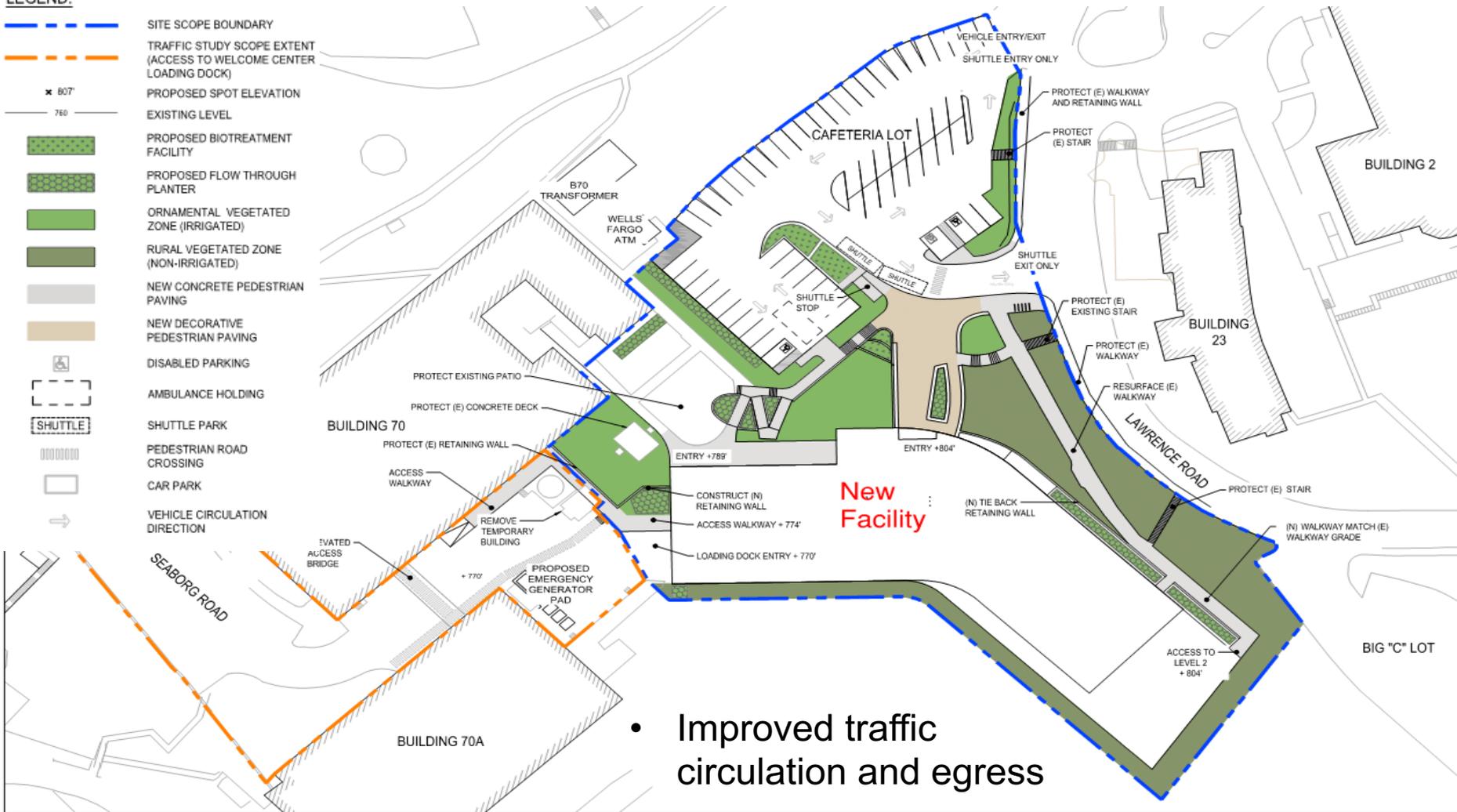
- 68 years old
- Rated seismically poor
- Functionally obsolete

Existing Cafeteria (Building 54) 06.12.19

# SSM Site Plan

## LEGEND:

	SITE SCOPE BOUNDARY
	TRAFFIC STUDY SCOPE EXTENT (ACCESS TO WELCOME CENTER LOADING DOCK)
	PROPOSED SPOT ELEVATION
	EXISTING LEVEL
	PROPOSED BIOTREATMENT FACILITY
	PROPOSED FLOW THROUGH PLANTER
	ORNAMENTAL VEGETATED ZONE (IRRIGATED)
	RURAL VEGETATED ZONE (NON-IRRIGATED)
	NEW CONCRETE PEDESTRIAN PAVING
	NEW DECORATIVE PEDESTRIAN PAVING
	DISABLED PARKING
	AMBULANCE HOLDING
	SHUTTLE PARK
	PEDESTRIAN ROAD CROSSING
	CAR PARK
	VEHICLE CIRCULATION DIRECTION



- Improved traffic circulation and egress

# SSM Proposed Site Layout

Proposed Improved Transit Hub: view



# SSM Proposed Site Layout

Proposed Improved Transit Hub: view



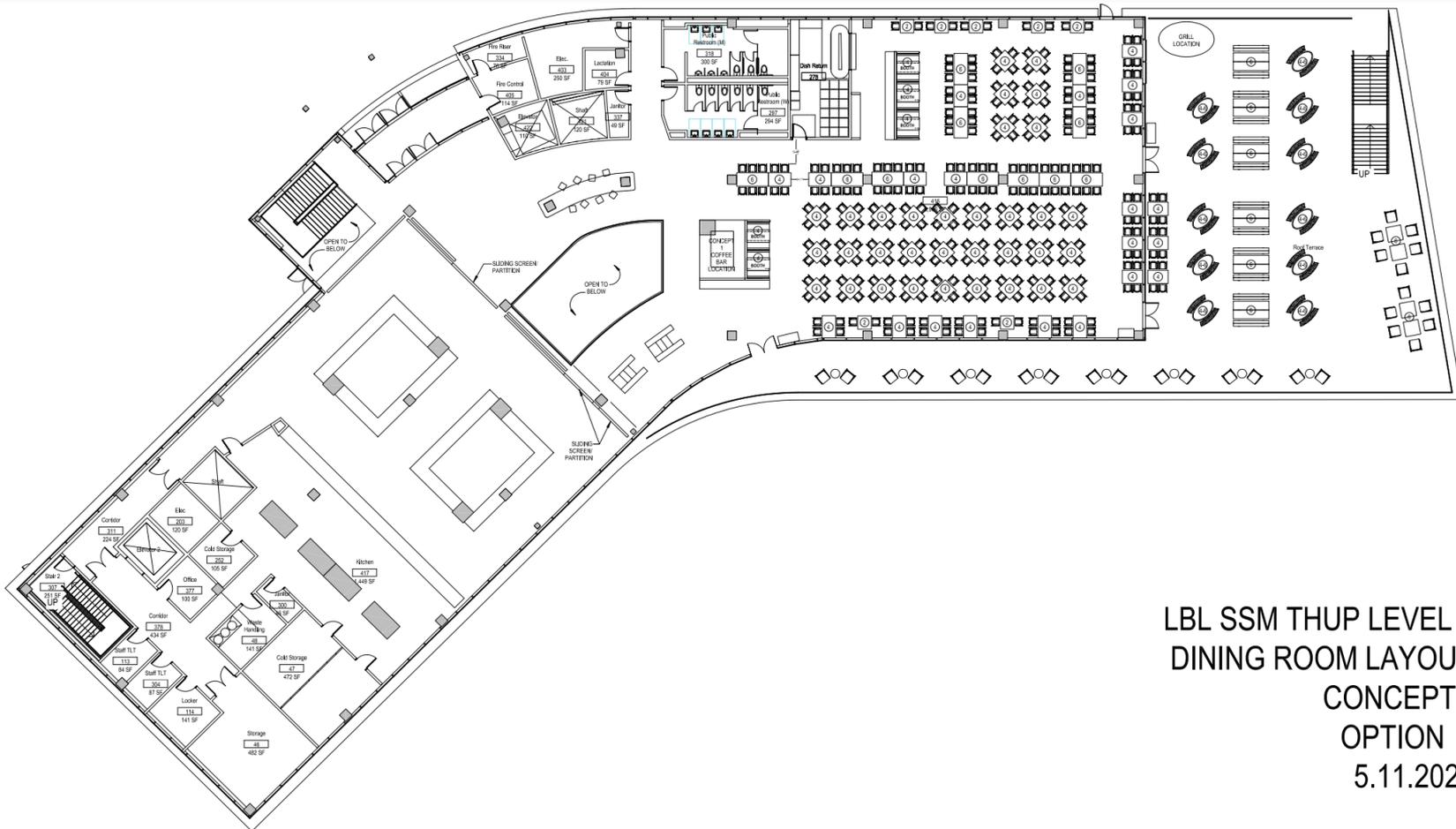
# New Facility at B54 site



## Three Story 46,000 GSF Building

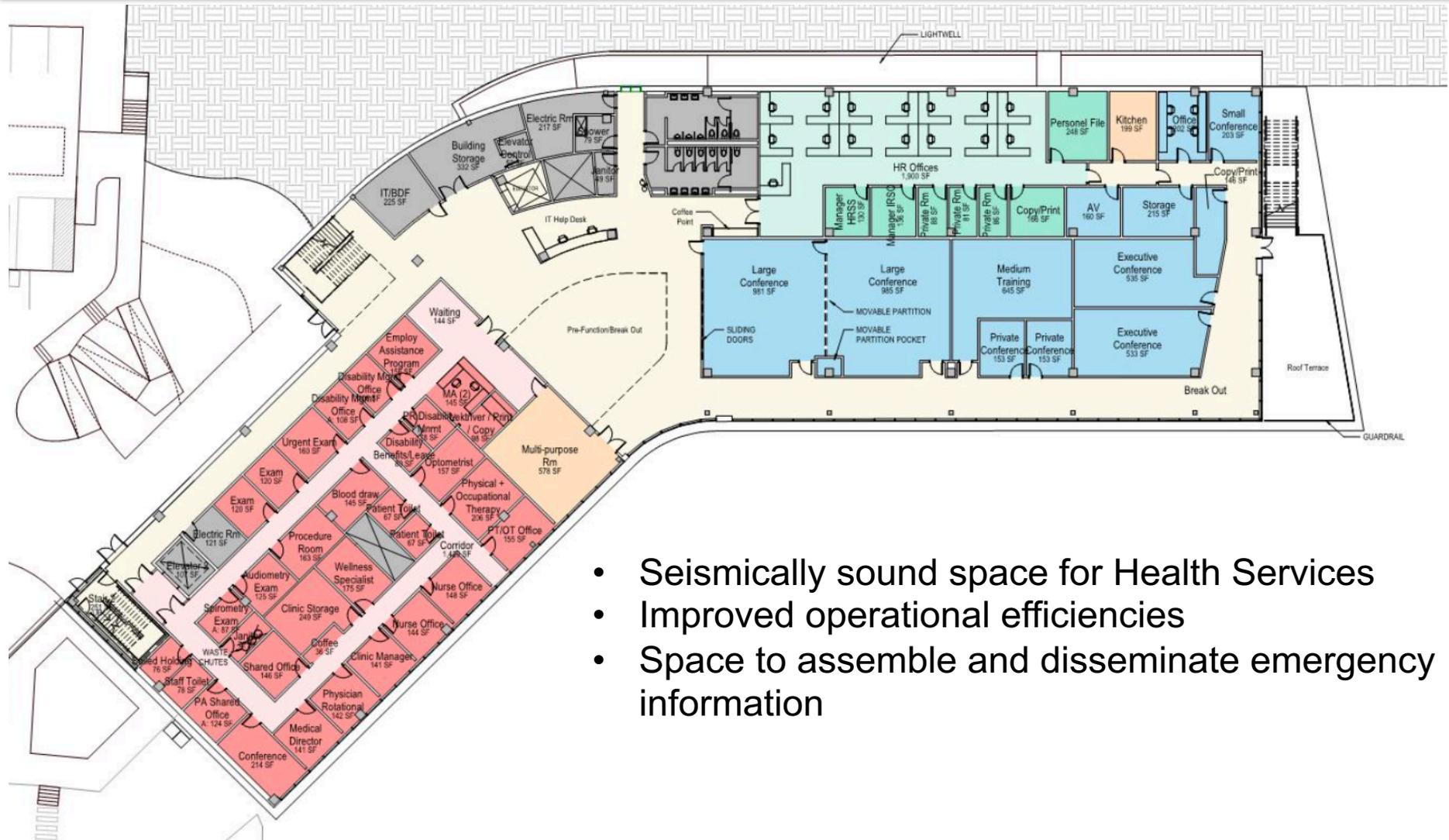
- Level 2 - Cafeteria with outdoor dining - Entrance on grade from parking lot
- Level 1 - Health Services, Human Resources and Conference Space
- Level 0 - Loading Dock and Mechanical Equipment – The majority of this level is open to exterior and not conditioned

# SSM Level 2 - Cafeteria Layout



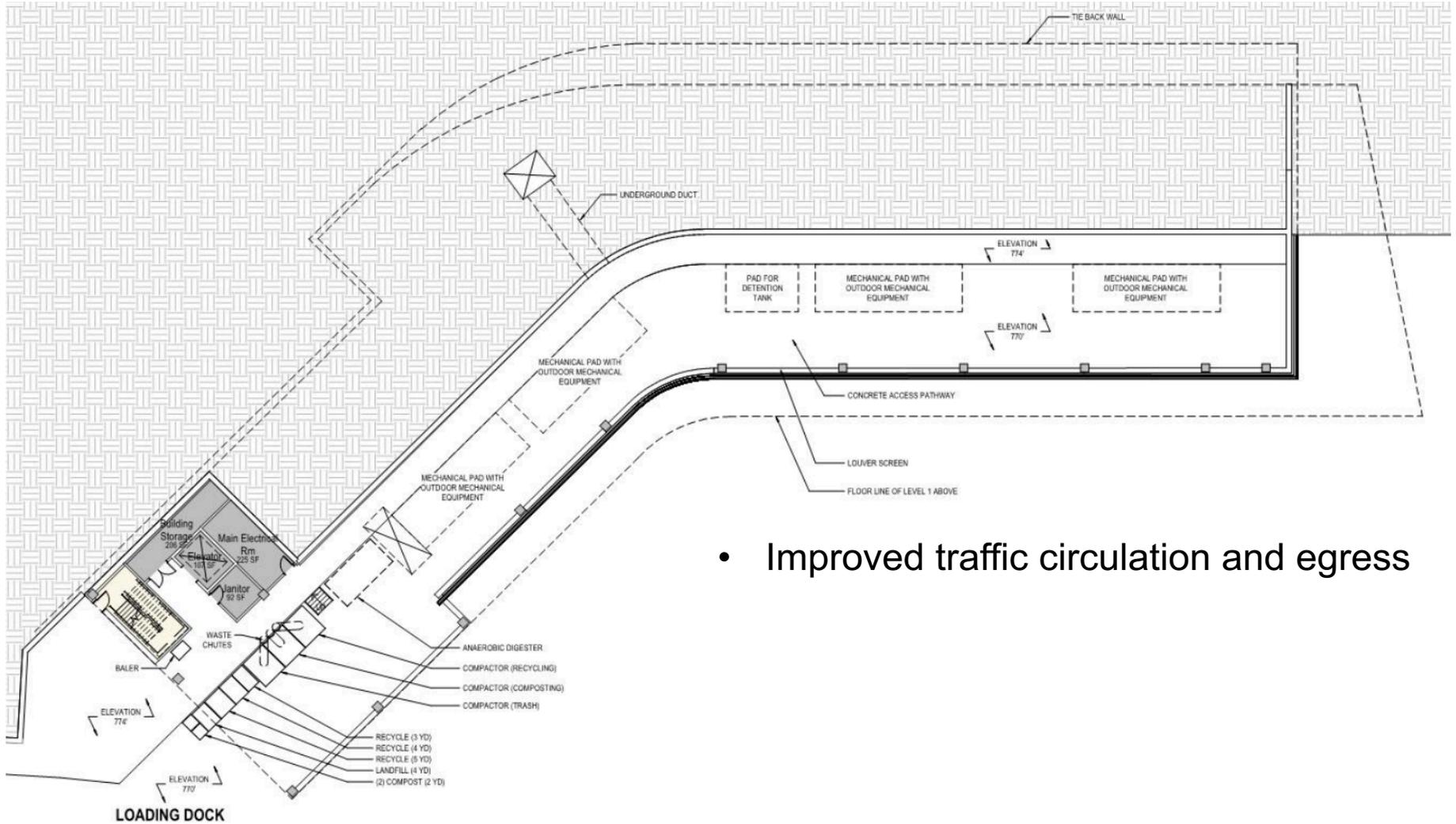
LBL SSM THUP LEVEL 2  
DINING ROOM LAYOUT  
CONCEPT 1  
OPTION 2  
5.11.2020

# SSM Level 1- Health Service and Conference Area



- Seismically sound space for Health Services
- Improved operational efficiencies
- Space to assemble and disseminate emergency information

# SSM Level 0 – Loading Dock



- Improved traffic circulation and egress

# SSM Preliminary Milestones (ES/EF)

Milestone 1 Description		Forecast
CD-0,	Approve Mission Need	September 2018 (A)
CD-1,	Approve Alternative Selection and Cost Range	September 2019 (A)
CD-3A,	Start of Demolition (NTP)	June 2021
CD-2/3,	Start of Building Construction (NTP)	April 2022
	Substantial Completion	June 2024
CD-4,	Project Completion	October 2024

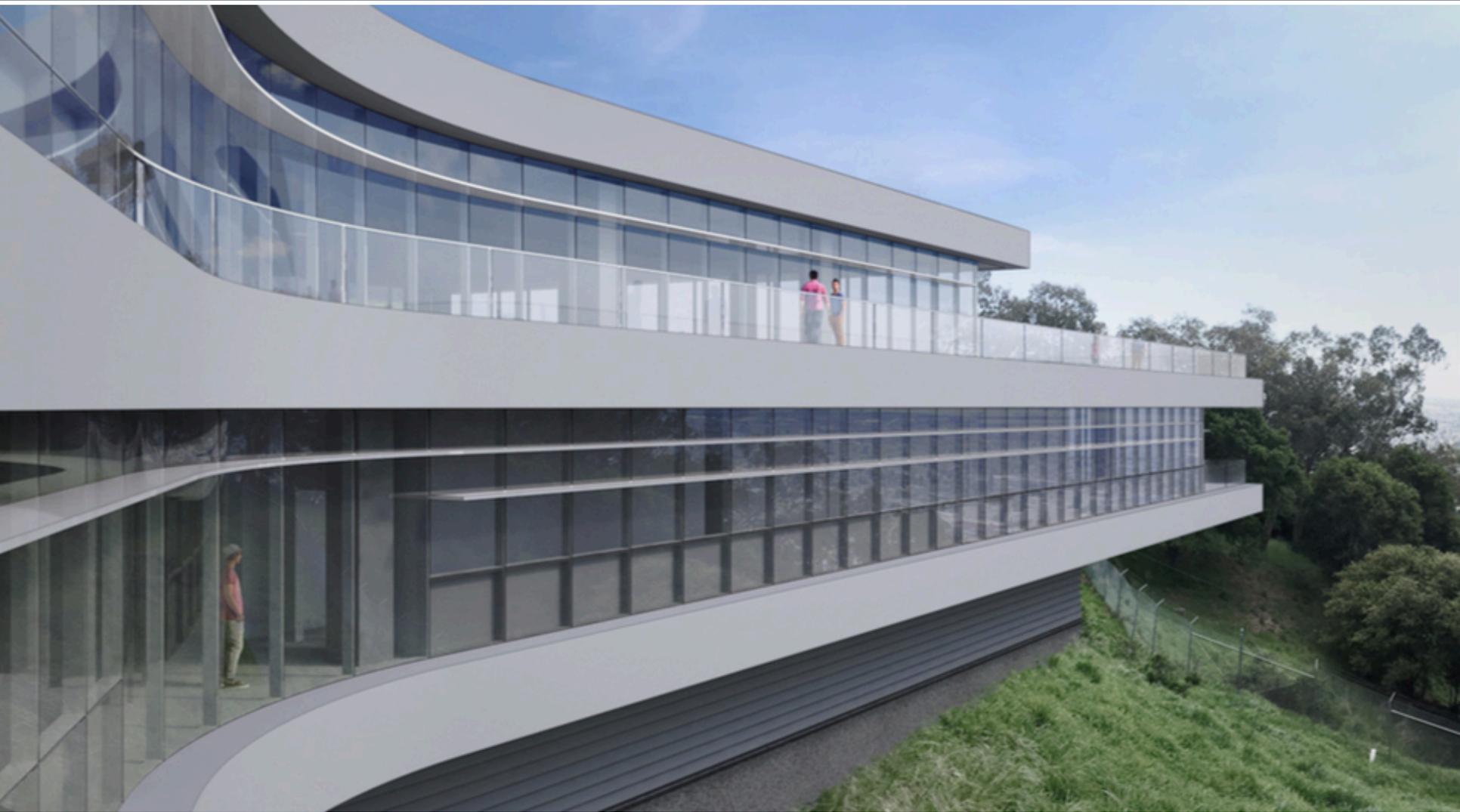
# SSM Welcome Center Interior



# SSM Interior



# SSM Exterior



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# Thank You



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